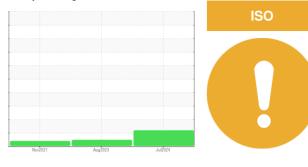


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id **7807120 (S/N 1011)** Component **Compressor** 

Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

#### DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

## Contamination

There is a moderate amount of particulates present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

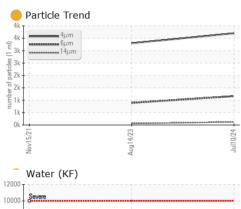
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018089	KCP48055D	KCP43519
Sample Date		Client Info		10 Jul 2024	14 Aug 2023	15 Nov 2021
Machine Age	hrs	Client Info		21770	14935	3883
Oil Age	hrs	Client Info		0	2000	3833
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ATTENTION	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	10	35
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	2
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	1	1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	1	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	15
Barium	ppm	ASTM D5185m	90	128	124	94
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	127	135	100
Calcium	ppm	ASTM D5185m	0	3	4	4
Phosphorus	ppm	ASTM D5185m	0	<1	2	2
Zinc	ppm	ASTM D5185m	0	0	<1	3
Sulfur	ppm	ASTM D5185m	23500	17047	17752	18194
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	0	1
Sodium	ppm	ASTM D5185m		21	22	16
Potassium	ppm	ASTM D5185m	>20	2	3	6
Water	%	ASTM D6304	>0.05	0.009	0.029	0.031
ppm Water	ppm	ASTM D6304		93	299.2	319.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3702	3301	
Particles >6µm		ASTM D7647	>1300	1162	893	
Particles >14µm		ASTM D7647	>80	<mark> </mark> 122	59	
Particles >21µm		ASTM D7647	>20	<mark>-</mark> 44	18	
Particles >38µm		ASTM D7647	>4	3	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>19/17/14</b>	19/17/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) 28:15) Bey: 1	mg KOH/g	ASTM D8045	1.0	0.42		0.360

Report Id: THEPLE [WUSCAR] 06236806 (Generated: 07/17/2024 09:28:15) Rev: 1

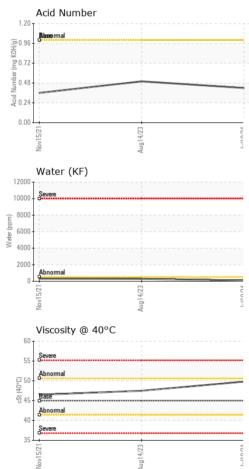
Contact/Location: ANTONIO BARRIGA - THEPLE



SSORS

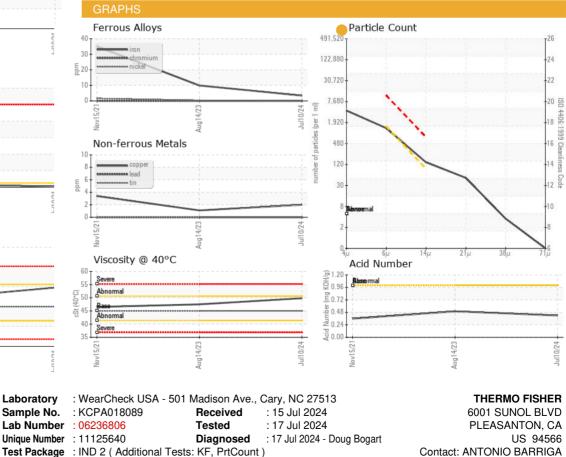






# **OIL ANALYSIS REPORT**

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	49.8	47.5	46.5
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						()



To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate 12367

Contact/Location: ANTONIO BARRIGA - THEPLE

antonio.barriga@thermofisher.com

Т:

F: